

REQUEST FOR BID

COUNTY OF SAN BERNARDINO
PURCHASING DEPARTMENT

DATE 11/14/03

BID NO. **D41Q**

Page No. 1 of 12 Pages

**FAX BID TO (909) 387-2666
By 2:00 P.M. Fri., Nov. 21, 2003**

Materials and/or Services: Stationary Breathing Support/
Fill Station
To Be Delivered To: SBCO Fire Department

For further information, call: Bill Brock, C.P.M., A.P.P.
Deputy Purchasing Agent
(909) 387-2464

INSTRUCTIONS AND CONDITIONS

1. All prices and notations must be typewritten or printed in ink. No erasures permitted. Mistakes may be crossed out and corrections made adjacent, and must be initialed in ink by person signing bid.
2. State brand of manufacture and model number on each item bid. If bidding manufacture and model other than that specified, attach specifications sheets for alternate product(s). Use of a brand name as part of specification by the County is not intended to restrict competition, but should be considered a point of reference in terms of product quality and design.
3. Quote on each item separately. Prices bid should be stated in units specified herein.
4. Time of delivery is a part of the consideration and must be stated in definite terms, and must be adhered to. If lead time varies on different items, the Vendor shall so state in the space provided.
5. The County recognizes that price is only one of several criteria to be used in judging a product or service, and the County is not legally bound to accept the lowest bid.
6. Verify your bids before submission, as they cannot be withdrawn or corrected after being submitted.
7. Unless otherwise specified, the prices quoted herein do not include California Sales or Use Taxes.
8. Terms of less than 30 days for cash discount will be considered as net.
9. Bid must be signed by a responsible officer or employee of the Vendor's firm. Obligations assumed by such signatures must be fulfilled.
10. No charge for packing, drayage, or for any other purpose will be allowed over and above the prices quoted by the Vendor.
11. The County reserves the right, unless otherwise stated, to accept or reject any or all bids, or any part thereof, either separately or as a whole, or to waive any informality in a bid.
12. Samples of items, when required, shall be furnished at no charge to the County; and if not destroyed by tests, will upon request be returned at Vendor's expense.
13. Quotations are subject to acceptance at any time within 60 days after receiving of same, unless otherwise stipulated.
14. RETURN THIS SHEET WHETHER OR NOT YOU QUOTE A PRICE. If you do not bid, state your reason; otherwise your name may be removed from the mailing list.
15. To be considered, each Vendor must be registered with the County Purchasing Department. Vendors must have registered online through the County website at www.sbcounty.gov/purchasing/
16. Accounts paid for transportation of property to the County of San Bernardino are exempt from Federal Transportation Tax. An exemption certificate is not required where the shipping documentation shows the consignee as San Bernardino County, as such documentation may be accepted as proof of the exempt character of the shipment.
17. Neither party shall be held liable for failure or delay of fulfillment if hindered or prevented by fire, strikes, or Acts of God. (Force Majeure)
18. In case of default by the Vendor, the County of San Bernardino may procure the product(s) or service from other sources and may deduct the unpaid balance due the Vendor, or may collect against the bond of surety, or may bill Vendor for excess costs so paid. Prices paid by the County of San Bernardino shall be considered the prevailing market prices paid at the time such purchase is made.
19. Vendor's response to this Request for Bid is to be on the basis that all items bid are guaranteed equal in quality and pattern to those specified and that any item purchased as equivalent and found not acceptable to using department may be returned for full credit.
20. The Vendor guarantees that the goods supplied under this Request for Bid and any purchase order resulting from award of same will meet all the express warranties and the implied warranties of merchantability and fitness for the intended purpose(s). The Vendor assumes responsibility for damages caused by any defective units supplied and/or for breach of these warranties, including incidental and consequential damages, that might arise.
21. Cost of transportation, handling, and/or inspection on deliveries which do not meet specifications shall be the responsibility of the Vendor.
22. Assignment of the agreement by the Vendor to other suppliers/contractors must be approved by the Purchasing Agent
23. The Vendor shall hold the County of San Bernardino, its officers, agents, servants and employees harmless and defend same from liability of any nature or kind on account of use of any copyright, or uncopyrighted composition, secret process, patented or unpatented invention, article, or appliance furnished or used under this bid.
24. The Vendor agrees to comply with Executive Orders 11246, 11375, 11625, 12138, 12432, 12250, Title VII of the Civil Rights Act of 1964, the California Fair Employment Practice Act, Equal Opportunity, San Bernardino County Emerging Small Business Enterprise program, and other applicable Federal, State, and County laws, regulations, and policies relating to equal employment and contracting opportunities, including laws and regulations hereafter enacted. The articles covered by this bid must conform with safety orders of OSHA, CALOSHA, and/or NIOSHA, and OSH-POD.
25. Prevailing Wages: Where labor is required for public work as a part of any requirements covered by this request for bid, pursuant to the provisions of the Labor Code of the State of California, Vendor shall pay no less than those minimum wages.
26. Vendors making delivery of goods or providing services on County premises shall carry liability insurance and Worker's Compensation coverage in accordance with the County's Standard Practice requirements.
27. Conflict of Interest: Your signature hereon certifies that no County employee, whose position in the County service enables them to influence any award of your offer or any competing offer, shall have any direct or indirect financial interest in any transaction resulting from this Request for Bid.
28. Improper Consideration: Vendor shall not offer, either directly or through an intermediary, any improper consideration such as, but not limited to; cash, discounts, service, the provision of travel or entertainment, or any items of value to any officer, employee or agent of the County in an attempt to secure favorable treatment regarding the award of this bid. Vendor shall immediately report any attempt by a County officer, employee or agent to solicit, either directly or through an intermediary, improper consideration from Vendor. The report shall be made to the supervisor or manager charged with the supervision of the employee or to the County Administrative Office.

29. Employment of Former County Officials: Vendors are required to provide information on former County of San Bernardino administrative officials, as defined below, who are employed by or represent your business. The information provided must include a list of former County administrative officials who terminated County employment within the last five years and who are now officers, principals, partners, associates or members of the business. This list should also include the employment and/or representative capacity and the dates these individuals began employment with or representation of your business. "County administrative officer" is defined as a member of the Board of Supervisors or such officer's staff, County Administrative Officer or member of such officer's staff, County department or group head, assistant department or group head, or any employees in the Exempt Group, Management Unit or Safety Management Unit.
30. Drug-Free Work Place: Vendor is in compliance with the Drug-Free Workplace Act of 1990 and has actions in place in accordance with Government Code Section 8355.
31. **This Request for Bid is not an order. This request is a solicitation only, and is not intended or to be construed as an offer to enter into any contract or other agreement. No acquisition can be made from this Request for Bid without a purchase order issued by the County Purchasing Department.**
32. There will be no public opening or reading of this bid.
33. Vendor represents that the prices quoted to the County in this bid do not exceed existing selling prices to other customers for the same or substantially similar items or services for comparable quantities under similar terms and conditions.
34. Award Disputes: In the event a dispute arises concerning the bid process or award of the bid, the party wishing resolution of the dispute shall submit a request in writing to the Director of Purchasing. Vendor may appeal the recommended award or denial of award, providing the following stipulations are met:
 - a. Appeal must be in writing.
 - b. Must be submitted within ten (10) calendar days of the bid due date.

An appeal of a denial of award can only be brought on the following grounds:

- a. Failure of the County to follow the selection procedures and adhere to requirements specified in the Request for Bid or any addenda or amendments.
- b. There has been a violation of conflict of interest as provided by California Government Code Section 87100 et seq.
- c. A violation of State or Federal law.

Appeals will not be accepted for any other reasons than those stated above. All appeals must be sent to:

**Aurelio De La Torre, Director
County of San Bernardino Purchasing Department
General Services Building
777 E. Rialto Ave.
San Bernardino, CA 92415-0760**

BID SHEET

| <u>ITEM NO.</u> | <u>PRODUCT OR SERVICE</u> | <u>QUANTITY</u> | <u>UNIT</u> | <u>Price</u> | <u>TOTAL COST</u> |
|-----------------|---|-----------------|-------------|--------------|-------------------|
| 1 | Stationary Breathing Support/Fill Station System Make _____ Model _____ OPTIONS | 1 | Ea. | | |
| 2 | Two Additional ASME Cylinders | 1 | Set | | |
| 3 | Safety Shut-Down | 1 | Ea. | | |
| 4 | Remote Outlet System | 1 | Ea. | | |
| | Please register online with the County at www.sbcounty.gov/purchasing/ if you have not already done so. | | | | |

Unless otherwise stated, all items will be considered F.O.B. Destination. If not, specify F.O.B. point _____ and estimated charges \$_____.

The undersigned offers and agrees to furnish any or all of the items upon which prices are quoted hereon, at the price set opposite each item and delivered at the designated point(s) in the Request.

Date _____ Signed By _____ Type Name _____

Delivery will be made in _____ days from receipt of order.

Company _____

Address _____

Cash Discount Terms _____

City & State _____

Warranty _____

Phone No. () _____

| RFB D41Q - SPECIFICATION | Bidder Complies | |
|--|--------------------|--|
| Yes | No | |
| <p style="text-align: center;">San Bernardino County Fire Department</p> <p style="text-align: center;">Stationary Breathing Support/Fill Station</p> <p>The following specification describes a stationary breathing support to be used by San Bernardino County Fire Department. The equipment shall be a new current advertised model built by a well-established manufacturer of this type of equipment.</p> <p>Each bid shall be accompanied with a detailed description of the equipment proposed. The equipment furnished shall conform to this proposed specification. If the bidder wishes to change from these specifications the bidder shall merely indicate the change, check the paragraph in the column "NO", does not comply, and a detailed description must accompany the bid on what the bidder is proposing to do or supply.</p> <p>Optional items to include installation costs shall be priced separately to allow the Department to make knowledgeable decisions. Optional items shall NOT be priced with the base bid. All optional items shall be priced individually.</p> <p>DELIVERY</p> <p>Delivery will be to the San Bernardino County Fire Department, Station 77 Fontana, California. The unit shall be delivered hooked up and in operational condition before the Department accepts the unit. The Department shall have the electrical to the location to allow the vendor to do all final hook ups and mounting of the unit.</p> <p>Time of delivery is of great importance to the Department. The bidder shall include with this bid package the delivery date.</p> <p>This equipment shall be delivered with all operating, maintenance, and repair manuals.</p> <p>GENERAL SPECIFICATION</p> <p>Specification for a breathing air station to refill self-contained breathing apparatus (SCBA) cylinders with purified air that meets or exceeds the requirements of CGA Pamphlet G-7, Compressed Air for Human Respiration, the requirements of ANSI/CGA G-7.1, Commodity Specification for Air, Grade E, and all other recognized standards for respirable air. The breathing air station shall be comprised, in part, of a high pressure compressor and purification system, storage system, cascade fill control panel and containment fill station. The station shall be designed for a maximum working</p> | | |

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| Yes | No | |
| <p>pressure of 6,000 PSIG. All equipment shall be new and of current design and manufacture. Used or refurbished equipment is unacceptable. Specifications are subject to change without notice.</p> <p>MODEL Bauer or equivalent UNII/25H-E3, UNICUS II, 6000 PSI SERVICE Compressor model – K18.1 FAD SCFM – 21.0 Charging Rate, SCFM – 25.2 HP - 20.0 RPM – 1300 Air Processing Capability – 150,000 cubic feet</p> <p>FRAME The breathing air station shall be supplied on a structural steel frame of welded construction. The frame shall be designed for both the static and dynamic loads of the system and of sufficient size to adequately accommodate all of the station's components.</p> <p>The compressor, purification system, fill station outer enclosure and all tubing shall be enclosed with sound attenuating panels. Each enclosure access panel shall be equipped with a slam-action latch and lift-off hinges.</p> <p>DESIGN/OPERATION The station shall be designed for against-the-wall installation, operation and maintenance and single-point operator control from the front of the station. The design of the station shall permit unrestricted cooling air flow to the compressor and motor when installed against a wall. All system instrumentation, controls and access to the containment fill station shall be located at the front of the station. The station shall be designed to fit through a standard 36" doorway. The station shall be designed for operation indoors with room temperatures ranging between 40°F and 115°F. Installation shall not require a special foundation.</p> <p>All piping and tubing shall be properly supported and protected to prevent damage from vibration during shipment, operation, or maintenance. Piping and tubing shall be installed in a neat and orderly arrangement, adapting to the contours of the station. All instrument tubing shall be 300 series stainless steel.</p> <p>WARRANTY The station shall be warranted free from defects in material and workmanship for a period of eighteen months from date of shipment</p> | | |

| RFB D41Q - SPECIFICATION | Bidder Complies | |
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| <p>or twelve months from date of start-up, whichever expires first. The warranty shall not impose limitations on the station's accumulated operating hours during the warranty period.</p> <p>PERFORMANCE SCBA fills per hour 4500 – 61 (with four storage cylinder)</p> <p>COMPRESSOR The compressor shall be an air-cooled, oil lubricated, five stage, four cylinder, single acting, reciprocating compressor. The crankcase shall be cast of a high strength, aluminum alloy. The crankshaft shall be of a single piece forged steel construction, and supported in the crankcase by three long-life roller bearings. The connecting rods shall be of single piece design and constructed of a high strength aluminum alloy. Each connecting rod shall incorporate a roller bearing at the crank end and a needle bearing at the pin end. The pistons shall be constructed of an aluminum alloy. Piston rings shall be cast iron. The final stage shall incorporate a ringless, free floating, solid carbon steel piston which is driven by a guide piston and the previous stage's discharge pressure. The cylinders shall be of cast iron construction with deep cooling fins on the external surface for optimum heat dissipation. The cylinders shall be arranged in a dynamically balanced, diametrically opposed "X" configuration with each cylinder located directly in the cooling fan's blast. The cylinders shall be removable from the crankcase. The compressor's flywheel shall be a cast aluminum alloy. A multi-wing, high velocity cooling fan shall be integral to the flywheel. The fan wings shall be replaceable.</p> <p>An intercooler shall be provided after each stage of compression and an aftercooler shall be provided after the final stage of compression. The coolers shall be individually detachable from the compressor, located directly in the cooling fan's blast and made of a corrosion resistant material. The aftercooler shall be designed to cool the discharge air to within 18°F of ambient temperature. A cool-down cycle shall not be required prior to stopping the compressor.</p> <p>A separator shall be supplied after the second and third stages of compression, and after the fourth stage on five stage compressors, and a coalescing separator shall be supplied at the discharge of the compressor. An automatic condensate drain (A.C.D.) system shall be supplied for all of the separators. Adjustable drain timers shall be factory preset to drain the separators approximately every fifteen minutes for approximately six seconds. The A.C.D. system shall unload the compressor on shutdown for unloaded restart. An exhaust muffler and condensate reservoir shall be supplied. The condensate</p> | | |

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| | Yes | No |
| <p>reservoir shall have a high liquid level indication system to alert the operator that the condensate reservoir is near capacity. A light to indicate the reservoir is near capacity shall be installed on the instrument panel. Manually operated valves shall be supplied to override the automatic operation of the A.C.D. system for test and maintenance purposes.</p> <p>The compressor shall be lubricated by a combination splash and pressure lubrication system. The final stage of compression shall be lubricated by a pressurized lubrication circuit. The other stages and the driving gear shall be splash lubricated. The pressure lubrication circuit shall include a positive displacement oil pump belt driven by the crankshaft, and an oil pressure regulator. A sight glass shall be included to check the oil level. The oil drain for the compressor shall be piped to the outside of the frame.</p> <p>The compressor shall be equipped with an inlet filter with replaceable particulate elements. An inlet filter maintenance indicator shall be installed on the instrument panel.</p> <p>PRIME MOVER AND V-BELT</p> <p>The three phase 230 volt electric motor shall be of the open drip-proof (ODP) design. The compressor and motor shall be mounted on a common base that is vibration isolated from the station's main frame. The compressor and motor shall be arranged in a vertical design. Power from the motor shall be transmitted to the compressor by a v-belt drive. The v-belt drive shall be designed to tighten the drive belts automatically. Rotation arrows shall be affixed in a conspicuous place on the compressor.</p> <p>ELECTRICAL CONTROL</p> <p>The motor control center (MCC) shall include an across-the-line magnetic motor starter, fused transformer and printed circuit board. The electrical panel installed in the MCC shall be built in compliance to UL's Industrial Control Panel Custom Builders Program and shall be affixed with a U.L. label.</p> <p>An OFF/ON selector switch shall be mounted in the instrument panel. When the selector switch is in the "ON" position, the compressor/motor shall automatically start and stop to maintain the system's operating pressure between the high and low set points of the final pressure switch.</p> <p>A nonresettable hour meter shall be supplied to record the number of compressor operating hours. The hour meter shall be installed in the instrument panel.</p> | | |

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| | Yes | No |
| <p>The compressor oil pressure shall be monitored by a pressure switch and pressure gauge installed in the instrument panel. The compressor shall shut down and a fault light illuminate should the compressor's oil pressure drop below the factory preset value during operation. The oil pressure switch shall be by-passed during start-up to permit the oil pump to achieve the normal operating pressure.</p> <p>A temperature switch shall be supplied on the discharge line of the final stage of compression. The compressor shall shut down and a fault light illuminate should the final stage discharge temperature exceed the tamper-proof set point during operation.</p> <p>Fault shut downs shall not affect the ability to fill SCBA cylinders from the storage system as long as there is sufficient pressure in the storage to fill them. All fault lights shall be mounted in the instrument panel and shall be red in color. Each fault light shall be labeled with an engraved nameplate.</p> <p>PURIFICATION SYSTEM</p> <p>The purification system shall purify high pressure air to a quality that meets or exceeds the requirements of CGA Pamphlet G-7, Compressed Air for Human Respiration, ANSI/CGA G-7.1, Commodity Specification for Air, Grade E, and all other recognized standards for breathing air. Purification shall be achieved by mechanical separation of condensed oil and water droplets, adsorption of vaporous water by a desiccant, adsorption of oil vapor and elimination of noxious odors by activated carbon and conversion of carbon monoxide to respirable levels of carbon dioxide by catalyst.</p> <p>The high pressure purification chambers shall have a working pressure of 6000 PSIG. The purification system shall utilize replaceable cartridges. The purification system shall be designed so that the replacement of the cartridges can be accomplished without disconnecting system piping. The design of the chambers shall preclude the possibility of operating the system without cartridges installed or with improperly installed cartridges. A bleed valve shall be provided to vent the purification system to facilitate replacing the cartridges. A pressure maintaining valve and a check valve shall be supplied downstream of the purification system to increase the efficiency of the purification system by maintaining a positive back pressure. A check valve shall be supplied between the coalescing separator on the compressor's discharge line and the purification system to maintain the positive pressure in the purification system when the compressor shuts down.</p> | | |

| RFB D41Q - SPECIFICATION | Bidder Complies | |
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| | Yes | No |
| <p>The purification system shall include Bauer's patented Securus Electronic Moisture Monitor System. A sensor shall be located in the Securus purifier cartridge for direct monitoring of moisture levels. A display module, to indicate the status of the Securus cartridge, shall be supplied in the instrument panel. Securus system shall warn the operator, in advance, of the impending expiration of the Securus cartridge. The compressor shall shut down automatically should the operator fail to change the Securus cartridge within the warning period. The compressor shall not be capable of restarting until the used cartridge is replaced with a new one. The moisture monitoring system shall be of a fail-safe design. Should the electrical contact between the display module and sensor be disconnected, an immediate fault shut down shall be effected. For absolute safety and highest quality breathing air, no manual override shall be supplied for the moisture monitor.</p> | | |
| <p>INSTRUMENT PANEL</p> <p>A stainless steel instrument panel shall be installed on the front of the station. The instrument panel shall include, at a minimum, a pressure gauge for each stage of compression, a pressure gauge for compressor oil pressure, OFF/ON selector switch, emergency stop switch, hour meter, inlet filter maintenance indicator, power-on light, Securus display module, condensate reservoir capacity indicator and fault lights. The instrument panel shall be located and arranged for visibility and easy access by the operator and for accessibility for inspection and maintenance. All components installed in the instrument panel shall be securely supported to eliminate vibration and undue force on instrument piping and to prevent damage during shipment, storage, operation, and maintenance.</p> | | |
| <p>All instrument panel mounted pressure gauges shall be 2 ½" diameter and be liquid filled. Each panel mounted component shall be labeled with an engraved nameplate.</p> | | |
| <p>CASCADE FILL CONTROL PANEL</p> <p>A hinged stainless steel cascade fill control panel shall be installed on the front of the station. The control panel shall be factory piped for four storage banks and designed to fill three SCBA cylinders either independently or simultaneously. The control panel shall include, at a minimum, an automatic storage by-pass system, a manual control valve and pressure gauge for each storage bank, an adjustable regulator for SCBA cylinder fill pressure complete with a pressure gauge for inlet and regulated pressure and a relief valve to protect the SCBA cylinders from overfilling, a manual control valve and pressure gauge for each fill position, provisions for factory or field modification to allow a different fill pressure at each fill position, and a laser cut fill</p> | | |

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| <p>schematic/flow diagram.</p> <p>The automatic storage by-pass system shall be installed between the compressor and the cascade system to control the dispensation of air from the compressor. When the cascade fill operation is initiated by opening the desired bank to fill from, the system will fill from the storage bank selected. When the fill pressure and storage bank pressure approach equalization the automatic storage by-pass system will switch to direct fill from the compressor. This will continue until another storage bank is opened or until filling is complete.</p> <p>All control panel mounted pressure gauges shall have a 2 ½" diameter and be liquid filled. A fluorescent light shall be factory installed above the panel to provide a glare-free illumination of the control panel. A panel mounted on/off switch shall be supplied for the light. All panel mounted components shall be labeled with an engraved nameplate.</p> <p>AIR STORAGE</p> <p>The air storage system shall include four receivers fabricated, tested and stamped in accordance to Section VIII of the ASME Boiler and Pressure Vessel Code. The receivers shall have a 3:1 safety factor at 6000 PSIG (7000 PSIG MAWP at 200°F). Each receiver shall have a capacity of 491 cu ft at 6000 PSIG. The receivers shall be mounted in a vertical configuration in a rack that is integral to the breathing air station's frame. The rack shall be designed to accommodate four identical receivers. The receivers shall be installed in accordance with 29 CFR 1910.169. The rack shall be designed to support the receivers in a secure manner and permit visual inspection of the receivers' external surface. Each receiver shall be supplied with a manual drain valve, installed at the lowest point of each receiver, an isolation valve and safety valve. Each receiver, or bank of receivers if additional storage is required, shall be piped to the cascade fill control panel to facilitate cascade filling.</p> <p>CONTAINMENT FILL STATION</p> <p>A front loading, three position, containment fill station shall be located at the front of the breathing air station. The fill station shall totally enclose the SCBA cylinders during the refilling process. The fill station shall contain the cylinder and any fragments of the cylinder and vent the expanding air away from the operator in the unlikely event of a cylinder rupturing while being filled.</p> <p>The fill station's outer enclosure shall be constructed of ¼ inch thick steel. The fill station door shall be constructed of ¼ inch thick steel plate and reinforced by three ¼ inch thick steel cylinder holders,</p> | | |

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| <p>providing a ½ inch thick steel protective safety barrier between the operator and the refilling process. The outer enclosure shall be welded into the frame. The fill station shall be ergonomically designed for maximum operator convenience and safety for refilling cylinders. The fill station door and cylinder holder assembly shall tilt out towards the operator, providing unobstructed access to the cylinder holder to load and unload the cylinders at waist height. A slip resistant handle and heavy-duty gas spring shall be incorporated into the design of the fill station to assist the operator in opening and closing the fill station door.</p> <p>Each cylinder holder shall be lined with ABS plastic strips to prevent scuffing the outer surface of the SCBA cylinders. For complete operator protection, the fill station shall include a three-point pneumatic safety interlock system that will prevent refilling SCBA cylinders unless the fill station door is closed and secured in the closed position.</p> <p>Three fill hoses shall be located within the fill station. Each fill hose shall be equipped with a bleed valve and SCBA fill adapter of choice. CGA 346 male adapters shall be provided to anchor the fill hoses when not in use.</p> <p>CARBON MONOXIDE MONITOR</p> <p>One (1) Nyad Series 500 electronic carbon monoxide system shall be included. The monitor shall be plumbed, wired, and mounted on the system. A calibration kit shall be included with the delivery of the unit.</p> <p>TESTING AND PREPARATION FOR SHIPPING</p> <p>The breathing air station shall be tested by the manufacturer prior to shipment. A copy of the manufacturer's test report shall accompany the station at shipment.</p> <p>A manufacturer's nameplate shall be securely affixed to the frame in a conspicuous location. The nameplate shall include, at a minimum, manufacturer's name, model number and serial number, compressor block number, system operating pressure, compressor operating speed, compressor capacity and charging rate, motor horsepower, voltage, frequency, amperage and date of manufacture.</p> <p>The station shall be suitably prepared for motor freight transport. The station shall be bolted to a wooden pallet, wrapped in sheet plastic, and fully protected by a wooden crate. The compressor intake and similar openings shall be suitably covered. Component parts, loose parts or associated spare parts shall be packaged separately and shipped on the same pallet if feasible.</p> | | |

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| <p>DOCUMENTATION</p> <p>A documentation package shall be supplied with the station. The documentation package shall include, at a minimum, an operation manual, recommended spare parts list, warranty information and a start-up/warranty registration form.</p> <p>The Operator's Instruction and Maintenance Manual for the breathing air station shall be as detailed as possible, outlining all operation and maintenance instructions. The manual shall include detailed illustrated drawings for the compressor block and all system components along with a complete parts listing for all illustrated components. Warnings and safety precautions shall be identified clearly in the manual.</p> <p><u>OPTIONAL ITEMS</u></p> <p>The following items are considered optional equipment and shall be priced separately from the base unit. Option price shall include installation unless identified as loose equipment:</p> <ol style="list-style-type: none"> 1. Two additional ASME receivers 2. Audible alarm for all safety shutdowns 3. Remote outlet with bulkhead fitting, regulator, pressure gauge and quick connect coupling <p style="text-align: center;">END</p> | | |